AUTHOR INDEX TO VOLUME 40

Adamiak RW, 357
Andreeva NE, 279
Ascenzi P, 157
Bal W, 227
Balla J, 37
Barba-Behrens N, 201
Barnea A, 81, 103
Barynin VV, 279
Bast A, 237
Bautista JL, 201
Bertini I, 227
Bhasker KR, 103
Bhirud RG, 331
Bigi A, 293
Bijloo GJ, 237
Bloemink MJ, 23
Bose RN, 339
Brouwer J, 23
Cho G, 103
Clairmont C, 59
Cojazzi G, 293
Coletta M, 157
Condo', SG, 157
Contreras R, 201
Dalal NS, 1
Deiana S, 301
Desideri A, 157
Donaire A, 245
Dong S, 189
Edwards MD, 103
Farrell N, 255
Finke RG, 19
Flores-Parra A, 201
Ganeva RL, 13
Gaudemer A, 127
Gazzano M, 293
Genchev DD, 13
Gerasimenko VV, 279
Gessa C, 301
Giardina B, 157
Goldfeld MG, 279
Grebenko AI, 279
Hartter DE, 103
Holwerda RA, 151
Hunt GRA, 217
Jezowska-Bojczuk M, 37, 357
Joseph-Nathan P, 201
Kadima W, 141
Kaszuba M, 217
Katsaros N, 95
Katz BM, 81, 103
Khangulov SV, 279
Kidani Y, 23
Kiss T, 37
Kozlowski H, 37, 121, 227, 357
Lejczak B, 37
Lempers ELM, 23
Martin BD, 19
Martinez-Ferrer M-J, 245
Masiukiewicz E, 121
Matczak-Jon E, 37
Mikros E, 127
Mital R, 111
Monnanni R, 227
Moratal JM, 245
Motchnik PA, 265
Moutafchiev DA, 323
Nagar R, 349
Nascimento OR, 309
Nelson DJ, 59
Neto LM, 309
Ovcharoff VA, 323
Perrée-Fauvet M, 127
Piu P, 301
Polizio F, 157
Potargowicz E, 121
Qu Y, 255
Rabenstein DL, 141
Rao BDN, 47
Ray BD, 47
Reedijk J, 23
Ripamonti A, 293
Roveri N, 293
Ruiz ME, 201
Rzeszotarska B, 121
Sakurai T, 197
Salgado J, 245
Scozzafava A, 227
Seeber R, 301
Shi X, 1
Siatecki GZ, 227
Sigel H, 163
Sirakov LM, 323
Slavin LL, 339
Solaiman DKY, 271
Song S, 189
Sóvágó I, 357
Spassovska NC, 13
Speno H, 59
Srivastava TS, 111, 331
Sun J, 271
Swiatek J, 357

Tabak M, 309
Tajmir-Riahi HA, 181
Tappel AL, 265
Timmerman H, 237
Tribolet R, 163
Tselepi-Kalouli E, 95
van der Goot GJ, 237
Várnagy K, 357
Verchére-Béaur C, 127
Walczewska-Sumorok A, 121
Zhang C, 59
Zhang W, 189

SUBJECT INDEX TO VOLUME 40

Aminophosphonates, complexes of, 37
Antibiotics, streptomycin coordination compounds, 201
Antitumor agents
cis-[Pt(NH_3)$_2$(4-methylpyridine)Cl]Cl, 23
platinum compounds and RNA biosynthesis, 13
Bis(platinum), diamine linker effect on, 255
Brain
in vitro uptake of radiolabeled Cu(II) in rat, 103
uptake of ^{67}Cu-^{3}H-AA complexes by, 81
Ca^{2+}, phospholipid vesicles permeability and Zn^{2+} and, 217
Carboxypeptidase A, S(+)(1-amino-2-phenylethyl)phosphonic acid and, 227
Cd^{2+}, hemolyzed human erythrocytes and, 141
Chloride, cobalt(II)-carbonic anhydrase and interaction of sulphate and, 245
Chromate reduction, NADPH-dependent glutathione reductase in one-electron reduction of, 1
cis-Diamminedichloroplatinum(II), nephrotoxicity of, 111
cis-[Pt(NH_3)$_2$(4-methylpyridine)Cl]Cl, antitumor agent, 23
Cisplatin, nephrotoxicity of, 111
Cobalt(II)-carbonic anhydrase, sulphate and chloride interaction with, 245
Coenzyme B_{12}, electron transfer to, 19
Cu(II)
aminophosphonic inhibitors of leucine amniopeptidase and, 37
EPR detectable form of type 3 copper in type 2 copper-depleted *Rhus vernicifera* laccase, 197
in vitro uptake in rat brain, 103
monomeric and dimeric mixed-ligand Cu(II) complexes as catalysts for superoxide dismutation, 331
multicopper oxidases, reaction center and mechanism of, 197
ovulation-inducing activity of luliberin complexed by Ni(II), Zn(II), and, 121
solvent dependence Cu(II)-S redox decay rate, 151
superoxide dismutase mimetics and, 237
Cu(II)-S bond, kinetic stability of, 151
Cyclic voltammetric study of iron-tallysomycin and DNA, 271
Cytochrome c heterogenous electron transfer, 189
D-galacturonic acid, iron(III) reduction by, 301
Dephosphorylation, mixed metal ion/ATP systems and, 163
Di-Manganese catalase reaction mechanism, 280
Diamine linker, effect on Bis(platinum), 255
DNA
iron-tallysomycin redox properties and, 271
Rh(II) and Rh(III) interaction with, 95
Earth metal ions, interaction of L-ascorbic acid with alkaline, 181
Electron transfer
cytochrome c heterogenous, 189
electron transfer to coenzyme B_{12}, 19
Electrostatic interactions, zinc porphyrin-amino acids complexes and, 127
Enzymatic complexes, vanadate and arsenate on enzymatic complexes with ADP and 3-P-glycerate, 47
Enzymatic systems, Cr(VI) reduction by glutathione reductase, 1
Erythrocytes, Cd^{2+} in hemolyzed human, 141
Fe(III)
D-galacturonic acid, and reduction of 301
hydration effect in metHB, 309
$^{59}Fe^{2+}$, binding of $^{59}Fe^{3+}$ and, 323
$^{59}Fe^{3+}$, binding of $^{59}Fe^{2+}$ and, 323
^{1}H NMR spectroscopy, Cd^{2+} in hemolyzed human erythrocytes, 141
Hemoglobin, effect of inositol hexakisphosphate on spectroscopic properties of nitric oxide derivative of ferrous horse and bovine, 157
Hemoproteins, hydration studies of, 301
Homolytic Co-C cleavage, electron transfer to coenzyme B_{12} and, 19
Hydration, metHB and, 309
Hydrophobic fluorescence probe ANS, parvalbumin isotypes from *Merluccius bilinearis* and, 59
Hydroxyapatite, thermal conversion of octacalcium phosphate into, 293
Inositol hexakisphosphate, nitric oxide derivative of ferrous horse and bovine hemoglobin and, 157
Iron-tallysomycin redox properties, DNA and, 271
L-ascorbic acid, interaction with earth metal ions, 181
Leucine amniopeptidase, Cu(II) and inhibitors of, 37
Ligand-ligand interactions, zinc porphyrin-amino acids complexes and, 127
Ligands, syntheses, characterization, and microbial activity of metal complexes involving potentially active O and N donor heterocyclic, 349
Luliberin, ovulation-inducing activity with Cu(II), Ni(II), and Zn(II), 121
Membrane damage, protection against, 217
Mercaptoacetatotris(2-pyridylmethyl)aminecopper(II), solvent dependence of the Cu(II)-S redox decay rate in, 151

Merluccius bilinearis, parvalbumin isolation from, 59
Metal binding ability of t-RNA, 357
Metal complexes, syntheses, characterization, and microbial activity of, 349
Metal ions, iron(III)-*D*-galacturonic acid system and, 301
Metalloporphyrins, structural studies of, 127
metHB, hydration in, 309
Mg^{2+} ions, effects of Na^+, NH^{4+}, and, 163
Mixed metal ion/ATP systems, synergism in, 163
Multicopper oxidases, reaction center and mechanism of, 197
Multiple selenocysteine content of selenoprotein P in rats, 265
N-[(9-β-D-ribofuranosylpurin-6-yl)-carbamoyl] threonine, metal complexes of, 357
N7, N7 chelates, platinum antitumor agents and, 25
Na^+ ions, effects of Mg^{2+}, NH^{4+}, and, 163
NADPH-dependent glutathione reductase, one-electron reduction of chromate by, 1
NH^{4+} ions, effects of Mg^{2+}, Na^+, and, 163
Ni(II), ovulation-inducing activity of luliberin complexed by Cu(II), Zn(II), and, 121
Nitric oxide derivative of ferrous horse and bovine hemoglobin inositol hexakisphosphate effect on spectroscopic properties of, 157
Octacalcium phosphate, thermal conversion into hydroxyapatite, 293
1,4-butanediamine, comparison of aqueous solution behavior of 2,5-dimethyl-2,5-hexanediamine and, 255
Ovulation, luliberin complexed with Cu(II), Ni(II), and Zn(II) and, 121
Parvalbumin, isolation from *Merluccius bilinearis*, 59
Phospholipid vesicles, Zn^{2+} and Ca^{2+} on permeability of, 217
Phosphonato complexes of platinum(II), 339
Phosphorus-31 NMR characterization studies, platinum(II) and, 339
Platinum
  mixed-ligand platinum(II) complexes, 111
  phosphonato complexes of platinum(II), 339
  RNA biosynthesis and compounds of, 13
Polypyrrole and methylene blue polypyrrole film modified electrodes, heterogenous electron transfer of cytochrome c facilitated by, 189
Proteins, multiple selenocysteine content of selenoprotein P in rats, 265
Rh(II) and RH(III), DNA and interaction of, 95
RNA biosythesis, platinum compounds and, 13
S(+)(1-amino-2-phenylethyl)phosphonic acid, carboxypeptidase A and, 227
Selenoprotein P, multiple selenocysteine content of, 265
^{67}Cu-^3H-AA complexes, brain tissue uptake of, 81
Streptidine fraction, structure of, 201
Streptomycin, coordination compounds of, 201
Sulphate, cobalt(II)-carbonic anhydrase and interaction of chloride and, 245
Superoxide dismutase mimetics, copper complexes of 1,10-phenanthroline and related compounds as, 237
Superoxide dismutation, catalysts for, 331
Synergism in mixed metal ion/ATP systems, 163
t-RNA, metal binding ability of, 357
Thermal conversion of octacalcium phosphate into hydroxyapatite, 293
Thermus thermophilus, anions and redox state on activity of manganese containing catalase from, 279
^{31}P NMR, 3-P-glycerate kinase-ADP complexes and, 47
3-P-glycerate kinase-ADP complexes, ^{31}P NMR studies of, 47
2,5-dimethyl-2,5-hexanediamine, comparison of aqueous solution behavior of 1,4-butanediamine and, 255
Type 2 copper-depleted *Rhus vernicifera* laccase, EPR detectable form of type 3 copper in, 197
Vanadate and arsenate, enzymatic complexes with ADP and 3-P-glycerate and, 47
Vitamin C, coordination chemistry of, 181
Zn(II)
  electrostatic interactions in zinc porphyrin-amino acids complexes, 127
  ovulation-inducing activity of luliberin complexed by Cu(II), Ni(II), and, 121
Zn^{2+}, phospholipid vesicles permeability and Ca^{2+} and, 217